SITE HEALTH AND SAFETY PLAN (*HASP*)

Office:	CLV
Site Name:	Plastech Site Assessment
Client:	U.S. EPA Region V
Work Location:	205 Maple Street Ext., Andover, OH 44003
WO#:	20405.012.001.1942.00
DCN #:	1942-2D-BAMK

SITE HEALTH AND SAFETY PLAN (HASP)

Prepared by: Dustin Bates | **W.O. Number:** 20405.012.001.1942.00 | **Date:** 8/20/2012

Project Identification

Office:	CLV
Site Name:	Platech SA
Client:	U.S.EPA Region V
Work Location Address:	205 Maple Street Extension Andover, OH 44003

Site History: On February 1, 2008, Plastech Engineered Products, Inc. (Plastech) filed for bankruptcy. In February 2009, the Ohio EPA attempted to work with Trusted Partner LLC, an entity who purchased the assets of the former Plastech facility, to remove regulated substances. In February 2010, a limited amount of regulated substances were removed and on June 15, 2010, the Ohio EPA issued a Notice of Violation (NOV) for violations. No response was received concerning this letter. The Ohio EPA continued to monitor the former facility with the intention of working with any prospective buyer of the property to address the outstanding issues.

On June 13, 2012, the Ohio EPA conducted an inspection of the facility which revealed regulated substances consisting of paints and solvents, containers labeled as Corrosive and Oxidizer, and leaking oil-filled electrical transformers. In addition, the site was unsecure and accessible to the public. Evidence of vandalism was observed at the the former facility.

Scope of Work: Participate in an initial site walkthrough. Develop a HASP and field sampling plan. Inventory all containers on site. Collect samples from drums, tanks, transformers, and other containers for laboratory analysis.

☐ Site visit only; site HASP not necessary. List personnel here and sign off below:

☐ **Utility notification required. If required, provide utility notification agency, authorization number, and valid dates:**

Regulatory Status:

Site regulatory status:

CERCLA/SARA	RCRA	Other Federal Agency
☒ U.S. EPA	☐ U.S. EPA	☐ DOE
☒ State	☐ State	☐ USACE
☐ NPL Site	NRC	☐ Air Force
☐ OSHA	☐ 10 CFR 20	☐ .....

Hazard Communication (Req'd See Attachment D)
☒ 1910 ☐ 1926 ☐ State

Safety Officer Manual (Required to be On-Site)
Based on the Hazard Assessment and Regulatory Status, determine the Standard HASP(s) applicable to this project. Indicate below which Standard HASP will be used and append the appropriate pages of this form along with the Standard Plan.

☐ Stack Test	☐ ____
☐ Air Emissions	☐ ____
☐ Asbestos	☐ ____
☐ Industrial Hygiene	☐ ____
☐ ____	☐ ____

Review and Approval Documentation:

Reviewed by: SO/DEHSM/CEHS	Dave Robinson (Name Print)	(Signature)	Date: 8/21/12
Environmental Compliance Advisor	(Name Print)	(Signature)	Date:
Approved by: Project Manager	Ryan Green (Name Print)	(Signature)	Date: 8/20/2012

Hazard Assessment and Equipment Selection:

In accordance with WESTON's Personal Protective Equipment Program and 29 CFR 1910.132, at the site prior to personnel beginning work, the FSO and/or the Site Manager have evaluated conditions and verified that the personal protective equipment selection outlined within this HASP is appropriate for the hazards known or expected to exist. (Refer to CEHS Program Manual Section 5, Personal Protection Program, for guidance.)

☒ **FSO**	Ryan Green (Name)	(Signature)	Date: 8/20/2012
☐ **Site Manager**	(Name)	(Signature)	Date:

☐ **Project Environmental Compliance Officer** Name _____ Date: _____ ☐ **Dangerous Goods Shipping Coordinator** Name _____ Date: _____			
Project start date: 8/27/2012 End date: 9/30/2012	This site HASP **must** be **reissued/reapproved** for any activities conducted after: Date: 2/27/2013	Amendment date(s) 1. 2. 3. 4.	By:

BEHAVIOR-BASED Safety Every Minute of Every Day WESTON

BEHAVIOR-BASED SAFETY (BBS) – Pledge

I Accept and Understand 100% Safe Work Is an Achievable Goal

- ★ I will work to develop strong connections and team with my co-workers to establish a culture of working safely 100% of the time.
- ★ I will actively care about all Weston employees, our families, team contractors and clients.
- ★ I will help to keep our projects safe and will meet and exceed compliance requirements.
- ★ I will understand and comply with the Health and Safety Plan, Accident Prevention Plan, and Environmental Compliance Plan for each field project. They guide my actions.
- ★ I will stop any work that presents an imminent hazard to people or the environment or is not adequately addressed in the Health and Safety Plan, Accident Prevention Plan, or Environmental Compliance Plan.
- ★ I will identify changing conditions to address safety implications. No surprises!
- ★ I will identify unsafe working conditions and be proactive in correcting them.
- ★ I will coach and mentor and will accept coaching from others to encourage safe work behaviors.
- ★ I am empowered to share lessons-learned and foster continuous improvement.

I will Learn where I can get Assistance

- ★ I will develop high quality relationships with my Division Environmental, Health, and Safety (EHS) Manager; Profit Center Safety Officer; and Field Safety Officer.
- ★ I will learn how and when to contact our Environmental Advisors.
- ★ I will get to know our Corporate EHS staff and become familiar with the Corporate EHS Portal Site.

I will Report All Incidents

- ★ If a safety incident occurs, even if there is no injury or damage but there could have been, I will report the incident immediately.
- ★ I will conduct safety reviews of all incidents with my supervisor, if requested. The review will focus on cause and lessons-learned so that we can be proactive in preventing it from happening again.

_____ _____

_____ _____

PROJECT QUALITY PLEDGE GUIDE

Living by our core value of "Exceptional Quality" means we deliver products and services that meet the highest standards. In doing so, we strive to identify, understand, and execute the project scope of work according to our clients' exceptional performance expectations. The Project Quality Pledge is the process we use to ensure our clients' exceptional performance expectations are met – every time.

This document provides guidance and links to examples for developing and executing a successful Project Quality Pledge. All Pledges will not be the same; what is important is that **your** Pledge makes sense to **your client and your team**. Project Quality Pledges can be very detailed (PENREN), or streamlined (IAS), depending on what works for your client and team. It can be a stand-alone document or incorporated into the Project Execution Plan or Project Instructions (Fort Sam).

The three most important aspects of the Project Quality Pledge are:

- Talk to your client frequently
- Understand your client's exceptional performance expectations
- Communicate client expectations to your team

Talk to Your Client

You cannot know your clients' exceptional performance expectations without talking to them. We must initiate and sustain a dialog with our clients. The 'client' may include several stakeholders, so communication is essential.

- Focus on exceptional performance expectations in all project phases (proposal to completion).
- Hold regularly-scheduled discussions with the client to ask about Weston performance.
- Schedule client-Weston meetings if any key client contacts change.
- Review/revise quality goals if client expectations change.
- Document and address client issues or suggestions and share with your team.

Understand Your Clients' Exceptional Performance Expectations

At its very basic level, the Pledge should identify our overall commitment to the client, including a statement describing that commitment (Surf City). Ask yourself, what is the shared vision?

- Define the clients' exceptional performance expectations. These expectations translate into one or more goals included in the Pledge (EcoTourism). Inquire about any sustainability goals the client may have and discuss how our project could incorporate these goals.
- Develop the Project Quality Pledge. The lead for this effort is typically the CSM or PM.
- Identify and link WESTON and client contacts to ensure zippered communication. These contacts can be recorded in the Pledge or elsewhere; the important point is to link Weston and client contacts (Sherwin Williams).

Communicate Client Expectations to Your Team

In order to meet our client's exceptional performance expectations, we must secure the project team's commitment to those expectations. Each team member should not only understand the Project Quality Pledge, but should also be able to articulate it to others and identify his/her specific role in achieving it.

- Discuss the Pledge at the kickoff meeting & regularly scheduled project meetings.
- Ensure each team member understands the Pledge, and his/her specific role.
- Have team members sign the Pledge. The Pledge can define each person's specific role along with their signature (IAS), or provide a signature page for the overall pledge (EcoTourism).

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ATTACHMENTS

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ATTACHMENT B	Safety Data Sheets
ATTACHMENT C	Safety Procedures/Field Operating Procedures (FLD Ops)
ATTACHMENT D	Hazard Communication Program
ATTACHMENT E	Air Sampling Data Sheets
ATTACHMENT F	Incident Reporting
ATTACHMENT G	Traffic Control Plan
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ATTACHMENT I	Hazard Checklist (Single Page)
ATTACHMENT J	Audit and Other Forms

1. PERSONNEL ON SITE INFORMATION

1.1 WESTON REPRESENTATIVES

Organization/Branch	Name/Title	Address	Telephone
WESTON / CLV	Ryan Green / Project Manager	6779 Engle Road, Suite I Middleburg Heights, OH 44130	440-202-2811 330-958-0037
WESTON / CLV	Dustin Bates / Project Scientist	6779 Engle Road, Suite I Middleburg Heights, OH 44130	440-202-2803 330-671-8559
WESTON / CLV	Michael Link / Project Scientist	6779 Engle Road, Suite I Middleburg Heights, OH 44130	440-202-2805

Roles and Responsibilities:

Ryan Green – START Project Manager
Dustin Bates – Project Scientist
Michael Link – Project Scientist

1.2 WESTON SUBCONTRACTORS

Organization/Branch	Name/Title	Address	Telephone
	Name: Title:	Street: City: State, Zip:	
	Name: Title:	Street: City: State, Zip:	
	Name: Title:	Street: City: State, Zip:	

Roles and Responsibilities:

SITE-SPECIFIC HEALTH AND SAFETY PERSONNEL

The Site Field Safety Officer (FSO) for activities to be conducted at this site is: Ryan Green

The Site Manager has ultimate responsibility for ensuring that the provisions of this Site HASP are adequate and implemented in the field.

Changing field conditions may require decisions to be made concerning adequate protection programs. Therefore, the personnel assigned as FSOs must be experienced and meet the additional training requirements specified by OSHA in 29 CFR 1910.120.

Qualifications:

40-hour HAZWOPER and 8-hour refreshers, First-aid, CPR, BBP, FSO trainings

Designated alternates include: Mike Link

1.3 SITE PERSONNEL AND CERTIFICATION STATUS

1.3.1 WESTON Employee Certification

Name: Ryan Green **Title: Project Manager** **Task(s): All** **Certification Level or Description:** ☒Medical Current ☒Training Current ☐Fit Test Current (Qual.) ☒Fit Test Current (Quant.)	**Name: Dustin Bates** **Title: Project Scientist** **Task(s): All** **Certification Level or Description:** ☒Medical Current ☒Training Current ☐Fit Test Current (Qual.) ☒Fit Test Current (Quant.)
Name: Michael Link **Title: Project Scientist** **Task(s): All** **Certification Level or Description:** ☒Medical Current ☒Training Current ☐Fit Test Current (Qual.) ☒Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** **Certification Level or Description:** ☒Medical Current ☒Training Current ☐Fit Test Current (Qual.) ☒Fit Test Current (Quant.)
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TRAINING CURRENT - Training: All personnel, including visitors, entering the exclusion or contamination reduction zones must have certifications of completion of training in accordance with OSHA 29 CFR 1910, 29 CFR 1926, or 29 CFR 1910.120.

FIT TEST CURRENT - Respirator Fit Testing: All persons, including visitors, entering any area requiring the use or potential use of any tight-fitting respirator must have had, as a minimum, a qualitative fit test, administered in accordance with OSHA 29 CFR 1910.134 or ANSI, within the last 12 months. If site conditions require the use of a full-face, tight-fitting, air-purifying respirator for protection from asbestos or lead, employees must have had a quantitative fit test, administered according to OSHA 29 CFR 1910.1001 or .1025 or 29 CFR 1926.1101 or .62, within the last 12 months.

MEDICAL CURRENT - Medical Monitoring Requirements: All personnel, including visitors, entering the exclusion or contamination reduction zones must be certified as medically fit to work and able to wear a respirator, if appropriate, in accordance with 29 CFR 1910 or 29 CFR 1926 (substance-specific), or 29 CFR 1910.120 (HAZWOPER).

The Site Field Safety Officer is responsible for verifying all certifications and fit tests.

SITE PERSONNEL AND CERTIFICATION STATUS

1.3.2 Subcontractor's Health and Safety Program Evaluation

Name of Subcontractor:
Address:

Activities To Be Conducted by Subcontractor:

Evaluation Criteria

Medical Program meets OSHA/WESTON criteria ☐ Acceptable ☐ Unacceptable Comments:	Personal Protective Equipment available ☐ Acceptable ☐ Unacceptable Comments:	On-site monitoring equipment available, calibrated, and operated properly ☐ Acceptable ☐ Unacceptable Comments:
Safe Working Procedures clearly specified ☐ Acceptable ☐ Unacceptable Comments:	Training meets OSHA/WESTON criteria ☐ Acceptable ☐ Unacceptable Comments:	Emergency Procedures ☐ Acceptable ☐ Unacceptable Comments:
Decontamination Procedures ☐ Acceptable ☐ Unacceptable Comments:	General Health and Safety Program evaluation ☐ Acceptable ☐ Unacceptable Comments:	Additional comments: ☐ Subcontractor has agreed to and will conform to the WESTON HASP for this project. ☐ Subcontractor will work under its own HASP, which has been accepted by Project PM.

Evaluation Conducted by: **Date:**
Evaluation Source (SubTrack, etc.):

Subcontractor

Certifications for all subcontractor personnel will be added to the HASP prior to beginning work.

Name: **Title:** **Task(s):** **Certification Level or Description:** ☐ Medical Current ☐ Training Current ☐ Fit Test Current (Qual.) ☐ Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** **Certification Level or Description:** ☐ Medical Current ☐ Training Current ☐ Fit Test Current (Qual.) ☐ Fit Test Current (Quant.)
Name: **Title:** **Task(s):** **Certification Level or Description:** ☐ Medical Current ☐ Training Current ☐ Fit Test Current (Qual.) ☐ Fit Test Current (Quant.)	**Name:** **Title:** **Task(s):** **Certification Level or Description:** ☐ Medical Current ☐ Training Current ☐ Fit Test Current (Qual.) ☐ Fit Test Current (Quant.)

2. HEALTH AND SAFETY EVALUATION

2.1 HEALTH AND SAFETY EVALUATION

2.1.1 Task Hazard Assessment

Background Review: ☒ Complete ☐ Partial If partial why?

Activities Covered Under This Plan:

No.	Task/Subtask	Description	Schedule
1, 2, 3, 4	1	Initial Walkthrough and Container Inventory	August 27, 2012
1, 2, 3, 4	2	Drum, Tank, Transformer, and Container Sampling	August 27, 2012

Types of Hazards:

Numbers refer to one of the following hazard evaluation forms. Complete hazard evaluation forms for each appropriate hazard class.

Physiochemical 1

- ☒ Flammable
- ☒ Explosive
- ☒ Corrosive
- ☒ Reactive
- ☒ O_2 Rich
- ☒ O_2 Deficient

Chemically Toxic 1

- ☒ Inhalation ☒ Carcinogen
- ☒ Ingestion ☐ Mutagen
- ☒ Contact ☐ Teratogen
- ☒ Absorption
- ☒ OSHA 1910.1000 Substance (Air Contaminants)
- ☐ OSHA Specific Hazard Substance Standard (Refer to following page for listing)

Radiation 3

Ionizing:

- ☐ Internal exposure
- ☐ External exposure

Non-ionizing:

- ☒ UV ☐ IR
- ☐ RF ☐ MicroW
- ☐ Laser

Biological 2

- ☐ Etiological Agent
- ☒ Other (plant, insect, animal)

☒ Physical Hazards 4

- ☐ Construction Activities

Source/Location of Contaminants and Hazardous Substances:

Directly Related to Tasks

- ☐ Air
- ☒ Other Surface
- ☐ Groundwater
- ☐ Soil
- ☒ Surface Water
- ☐ Sanitary Wastewater
- ☐ Process Wastewater
- ☒ Other **Waste chemicals in abandoned drums and tanks**

Indirectly Related to Tasks — Nearby Process(es) That Could Affect Team Members:

- ☐ Client Facility/WESTON Work Location
- ☐ Nearby Non-Client Facility

Describe:

☒ Have activities (task[s]) been coordinated with facility?

Comments:

Abandoned Facility. Access obtained by U.S. EPA

HEALTH AND SAFETY EVALUATION

2.1.2 Chemical Hazards of Concern

☐ N/A

Chemical Contaminants of Concern

Attach data sheets from an acceptable source such as NIOSH pocket guide, condensed chemical dictionary, ACGIH TLV booklet, Hazardous Substances Data base (HSDB), etc. List chemicals and concentrations below and locate data sheets in Attachment A of this HASP.

☐ N/A

Identify hazardous materials used or on-site and attach Safety Data Sheets (SDSs) for all reagent type chemicals, solutions, or other identified materials that in normal use in performing tasks related to this project could produce hazardous substances. Ensure that all subcontractors and other parties working nearby are informed of the presence of these chemicals and the location of the SDSs. Obtain from subcontractors and other parties, lists of the hazardous materials they use or have on-site and identify location of the SDSs here. List chemicals and quantities below and locate SDSs in Attachment B of this HASP.

Chemical Name	Concentration	Chemical Name	Quantity
Transformers with <50 ppm PCB labels	Unknown	Alconox	< 1 lb.
Drums labeled corrosive	Unknown	Calibration gases, Multi-Gas, isobutylene	1 cyl. each
5-gal buckets, one labeled oxidizer	Unknown		

OSHA-SPECIFIC HAZARDOUS SUBSTANCES

☐ 1910.1001 Asbestos	☐ 1910.1002 Coal tar pitch volatiles	☐ 1910.1003 4-Nitrobiphenyl, etc.	☐ 1910.1004 alpha-Naphthylamine
☐ 1910.1005 [Reserved]	☐ 1910.1006 Methyl chloromethyl ether	☐ 1910.1007 3,3'-Dichlorobenzidine (and its salts)	☐ 1910.1008 bis-Chloromethyl ether
☐ 1910.1009 beta-Naphthylamine	☐ 1910.1010 Benzidine	☐ 1910.1011 4-Aminodiphenyl	☐ 1910.1012 Ethyleneimine
☐ 1910.1013 beta-Propiolactone	☐ 1910.1014 2-Acetylaminofluorene	☐ 1910.1015 4-Dimethylaminoazobenzene	☐ 1910.1016 N-Nitrosodimethylamine
☐ 1910.1017 Vinyl chloride	☐ 1910.1018 Inorganic arsenic	☐ 1910.1025 Lead (Att. FLD# 48)	☐ 1910.1026 Chromium VI (att. FLD 53)
☐ 1910.1027 Cadmium (Att. 50 FLD)	☐ 1910.1028 Benzene (Att. FLD# 54 or 61)	☐ 1910.1029 Coke oven emissions	☐ 1910.1043 Cotton dust
☐ 1910.1044 1,2-Dibromo-3-chloropropane	☐ 1910.1045 Acrylonitrile	☐ 1910.1047 Ethylene oxide	☐ 1910.1048 Formaldehyde
☐ 1910.1050 Methylenedianiline	☐ 1910.1051 1,3 Butadiene	☐ 1910.1052 Methylene chloride	☐ 1926.60 Methylenedianiline
☐ 1926.62 Lead	☐ 1926.1101 Asbestos (Att. FLD 52)	☐ 1926.1127 Cadmium	

HEALTH AND SAFETY EVALUATION

2.1.3 Biological Hazards of Concern

☒ Poisonous Plants (FLD 43-D)

Location/Task No(s) **All**

Source: ☐ Known ☒ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☒ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☒ Yes ☐ No

Immunization required: ☐ Yes ☐ No

☒ Insects (FLD 43-B)

Location/Task No(s) **All**

Source: ☐ Known ☒ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☒ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☐ Yes ☐ No

Immunization required: ☐ Yes ☐ No

☒ Snakes, Reptiles (FLD 43-A)

Location/Task No(s) **All**

Source: ☐ Known ☒ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☒ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☐ Yes ☐ No

Immunization required: ☐ Yes ☐ No

☒ Animals (FLD 43-A)

Location/Task No(s) **All**

Source: ☐ Known ☒ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☒ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☐ Yes ☐ No

Immunization required: ☐ Yes ☐ No

FLD 43 — WESTON Biohazard Field Operating Procedures: Att. OP ☐

☐ Sewage

Location/Task No.(s):

Source: ☐ Known ☐ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☐ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☐ Yes ☐ No

Immunization required: ☐ Yes ☐ No

Tetanus Vaccination within Past 10 yrs: ☐ Yes ☐ No

☐ Etiologic Agents (FLD –C)**(List)**

Location/Task No.(s):

Source: ☐ Known ☐ Suspect

Route of Exposure: ☐ Inhalation ☐ Ingestion ☐ Contact ☐ Direct Penetration

Team Member(s) Allergic: ☐ Yes ☐ No

Immunization required: ☐ Yes ☐ No

FLD 43-C — Mold and Fungus. Att. OP ☐

FLD 44 — WESTON Bloodborne Pathogens Exposure Control Plan – First Aid Procedures: Att. OP ☒

FLD 45 — WESTON Bloodborne Pathogens Exposure Control Plan – Working with Infectious Waste: Att. OP ☐

HEALTH AND SAFETY EVALUATION

2.1.4 Radiation Hazards of Concern

NONIONIZING RADIATION

Task No.	Type of Nonionizing Radiation	Source On-Site	TLV/PEL	Wavelength Range	Control Measures	Monitoring Instrument
All	Ultraviolet	Solar			Appropriate clothing/ sunscreen	None
	Infrared					
	Radio Frequency					
	Microwave					
	Laser					

IONIZING RADIATION

Task No.	Radionuclide	Major Radiations	Radioactive Half-Life (Years)	DAC (µCi/mL) D	DAC (µCi/mL) W	DAC (µCi/mL) Y	Surface Contamination Limit	Monitoring Instrument

HEALTH AND SAFETY EVALUATION

2.1.5 Physical Hazards of Concern (Note: Check related RAVS-FLDs for Oil & Gas Clients)

Physical Hazard Condition	Physical Hazard	Attach OP	WESTON OP Titles
Loud noise	Hearing loss/disruption of communication	☐	Section 7.0 - ECH&S Program Manual Occupational Noise & HC Program
Inclement weather	Rain/humidity/cold/ice/snow/lightning	☒	FLD02 - Inclement Weather
Steam heat stress	Burns/displaced oxygen/wet working surfaces	☐	FLD03 - Hot Process - Steam
Heat stress	Burns/hot surfaces/low pressure steam	☐	FLD04 - Hot Process - LT3
Ambient heat stress	Heat rash/cramps/exhaustion/heat stroke	☒	FLD05 - Heat Stress Prevention/Monitoring
Cold stress	Hypothermia/frostbite	☒	FLD06 - Cold Stress
Cold/wet	Trench/paddy/immersion foot/edema	☐	FLD02 - Inclement Weather
Confined spaces	Falls/burns/drowning/engulfment/electrocution	☐	FLD08 - Confined Space Entry
Industrial Trucks	Fork Lift Truck Safety	☐	FLD09 – Powered Industrial Trucks
Improper lifting	Back strain/abdomen/arm/leg muscle/joint injury	☒	FLD10 - Manual Lifting/Handling Heavy Objects
Uneven surfaces	Vehicle accidents/slips/trips/falls	☒	FLD11 - Rough Terrain
Poor housekeeping	Slips/trips/falls/punctures/cuts/fires	☒	FLD12 - Housekeeping
Structural integrity	Crushing/overhead hazards/compromised floors	☒	FLD13 - Structural Integrity
Improper cylinder. handling	Mechanical injury/fire/explosion/suffocation	☐	FLD16 - Pressure Systems - Compressed Gases
Water hazards	Poor visibility/entanglement/drowning/cold stress	☐	FLD17 - Diving
Water hazards	Drowning/heat/cold stress/hypothermia/falls	☐	FLD18 - Operation and Use of Boats
Water hazards	Drowning/frostbite/hypothermia/falls/electrocution	☐	FLD19 - Working Over Water
Vehicle hazards	Struck by vehicle/collision	☐	FLD20 - Traffic
Explosions	Explosion/fire/thermal burns	☐	FLD21 - Explosives
Moving mechanical parts	Crushing/pinch points/overhead hazards/electrocution	☐	FLD22 – Earth Moving Equipment
Moving mech. parts	Overhead hazards/electrocution	☐	FLD23 – Cranes, Rigging, and Slings
Working at elevation	Overhead hazards/falls/electrocution	☐	FLD24 - Aerial Lifts/Man lifts
Working at elevation	Overhead hazards/falls/electrocution	☐	FLD25 - Working at Elevation
Working at elevation	Overhead hazards/falls/electrocution/slips	☐	FLD26 - Ladders
Working at elevation	Slips/trips/falls/overhead hazards	☐	FLD27 - Scaffolding
Trench cave-in	Crushing/falling/overhead hazards/suffocation	☐	FLD28 - Excavating/Trenching
Physiochemical	Explosions/fires from oxidizing, flam./corr. material	☒	FLD30 - Hazardous Materials Use/Storage
Physiochemical	Fire and explosion	☐	FLD31 - Fire Prevention/Response Plan Required
Physiochemical	Fire	☒	FLD32 - Fire Extinguishers Required
Structural integrity	Overhead/electrocution/slips/trips/falls/fire	☐	FLD33 - Demolition
Electrical	Electrocution/shock/thermal burns	☐	FLD34 - Utilities
Electrical	Electrocution/shock/thermal burns	☒	FLD35 - Electrical Safety
Burns/fires	Heat stress/fires/burns	☐	FLD36 - Welding/Cutting/Brazing/Radiography
Impact/thermal	Thermal burns/high pressure impaction/heat stress	☐	FLD37 - Pressure Washers/Sand Blasting
Impaction/electrical	Smashing body parts/pinching/cuts/electrocution	☒	FLD38 - Hand and Power Tools
Poor visibility	Slips/trips/falls	☒	FLD39 - Illumination
Fire/explosion	Burns/impaction	☐	FLD40 - Storage Tank Removal/Decommissioning
Communications	Disruption of communications	☒	FLD41 - Std. Hand/Emergency Signals
Energy/release	Unexpected release of energy	☐	FLD42 - Lockout/Tag-out
Biological Hazards	Biological Hazards at site	☒	FLD43 - Biological Hazards
Animals	Animals	☒	FLD43A - Animals
Insects	Stinging and Biting Insects	☒	FLD43B - Stinging and Biting Insects
Molds/Fungi	Molds and Fungi	☐	FLD43C - Molds and Fungi
Hazardous Plants	Hazardous Plants	☒	FLD43D - Hazardous Plants
Etiologic Agents	Etiologic Agents	☐	FLD43E - Etiologic Agents

2.1.5 Physical Hazards of Concern (Continued)

Physical Hazard Condition	Physical Hazard	Attach OP	WESTON OP Titles
Biological Hazards/BBP	Biological Hazards/BBP at site/First Aid Providers	☐	FLD44 - Biological Hazards – Bloodborne Pathogens Exposure Control Plan – First Aid Providers
Infectious Waste	Infectious Waste at site/BBP/ at site/Infectious Waste	☐	FLD45 – Biological Hazards – Bloodborne Pathogens Exposure Control Plan – Work With Infectious Waste
Lead Contaminated sites	Lead poisoning	☐	FLD46 - Control of Exposure to Lead
Puncture/cuts	Cuts/ dismemberment/gouges	☐	FLD47 - Clearing, Grubbing and Logging Operations
Government Inspector	Disruption of Operations	☐	FLD48 – Federal, State, Local Regulatory Agency Inspections
Unknown Chemicals	Exposure to hazardous materials/waste	☐	FLD49 – Safe Storage of Samples
Cadmium	Exposure Control	☐	FLD50 – Cadmium Exposure Control Plan
Process Safety Procedure	Safety Procedure	☐	FLD51 – Process Safety Procedure
Asbestos	Asbestos Exposure	☐	FLD52 – Asbestos Exposure Control Plan
Hexavalent Chromium	Exposure Control Plan	☐	FLD53 – Hexavalent Chromium Exposure Control Plan
Benzene	Exposure Control Plan	☐	FLD54 - Benzene Exposure Control Plan
Hydrofluoric acid	Working with HF	☐	FLD55 – Working with Hydrofluoric Acid
Moving drill rig parts	Crushing/pinch points/overhead hazards/electrocution	☐	FLD56 – Drilling Safety
Vehicles/driving	Accidents,/fatigue/cell phone use	☐	FLD 57 – Motor Vehicle Safety
Improper material handling	Back injury/crushing from load shifts/equipment/tools	☐	FLD 58 – Drum Handling Operations
COC decontamination	COCs/slip, trip, and falls/waste generation/environmental compliance/PPE	☐	FLD59 - Decontamination
Drilling hazards	Electrocution/overhead hazards/pinch points	☐	Environmental Remediation Drilling Safety Guideline - 2005
Fatigue	Long work hours	☐	FLD60 – Employee Duty Schedule
Benzene/Gasoline	Benzene exposure	☐	FLD61 – Gasoline Contaminant Exposure
Cardiac Arrest	Accident/Heart Attack	☐	FLD62 – 2009 Automatic External Defibrillator (AED) Program Guidelines
Ionizing Radiation	Ionizing Radiation	☐	FLD63 – Using Handheld X-Ray Fluorescence (XRF) Analyzers
Working Alone	Isolated Working Conditions	☐	FLD64 – Employees Working Alone

3. SITE SECURITY

3.1 SITE SECURITY ASSESSMENT FORM

DESCRIPTION

Site Name and Location:	**Number of Employees and Subcontractors on Site:**
Plastech 205 Maple Street Extension Andover, OH 44003	4: Ryan Green, Dustin Bates, Mike Link / Weston USEPA OSC Lori Muller

Type of Work:
START Site Assessment at Abandoned Industrial Facility

Projected Start Date: 8/27/12	**Projected Completion Date: 8/27/12**

Are Chemicals Used or Stored That Meet DHS/CFATS Requirements?
http://www.dhs.gov/files/programs/gc_1185909570187.shtm

If Yes, Attach Plan and DHS Approvals to HASP.
http://www.dhs.gov/files/programs/gc_1169501486197.shtm

SURROUNDING AREA ***(urban/suburban/rural; residential/commercial/industrial; traffic volume, population density, etc***

Small rural town; plant is located on the northwest corner of town near residential and other commercial / light industrial properties. Population density low; farm/undeveloped land to the west and north.

THREAT INDICATORS ***(apparent social, economic, political, ethnic, criminal, gang related, and other risk factors)***

None Known

COUNTERMEASURES ***(Current and projected risk mitigation factors)***

Security Systems (Reference Site Security Checklist):
Site is an abandoned industrial facility; U.S. EPA has secured access to the facility.

Security Procedures (Reference Site Security Checklist):
U.S.EPA has secured access to the facility for the site assessment. Local law enforcement has been identified in the event that unauthorized persons are identified at the site.

Closest police station location and contact information:
Andover Police Department
134 Maple Street
Andover, OH
440-293-4555

Other relevant observations or information to factor into the Site Security Plan:
--

OVERALL SECURITY ASSESSMENT ***(Submit "Medium" and "High" risk assessments to Corporate Security for review)***

Risk Level: ☒ **Low**	☐ **Medium**	☐ **High**	**Date: 8/20/12**

Site Safety Officer: Ryan Green	**Division Safety Manager: Ted Deecke**

USE ATTACHMENTS FOR ADDITIONAL COMMENTS, MAPS AND DIAGRAMS

3.2 WESTON SITE SECURITY CHECKLIST

To be used for completing the Site Security Assessment Form required on all WESTON projects. Contact Corporate Security for guidance on any items that are "NEEDED" and "NOT IN PLACE".

CONTROL MEASURES:	In-Place / Not In-Place	Needed / Not Needed
1. Fencing, lockable gates, no holes (enter details below):	☐ / ☒	☐ / ☒
a. Chain Link material	☐ / ☐	☐ / ☐
b. Other material (describe)	☐ / ☐	☐ / ☐
c. Height (in feet and inches)	☐ / ☐	☐ / ☐
d. Top cover (e.g., razor wire)	☐ / ☐	☐ / ☐
e. Signage (e.g., No Trespassing)	☐ / ☐	☐ / ☐
2. Guard service:	☐ / ☒	☐ / ☒
a. During working hours?	☐ / ☐	☐ / ☐
b. During non-working hours?	☐ / ☐	☐ / ☐
c. As a stationary post?	☐ / ☐	☐ / ☐
d. As a roving patrol?	☐ / ☐	☐ / ☐
e. Do they have written instructions?	☐ / ☐	☐ / ☐
f. Do they have adequate training?	☐ / ☐	☐ / ☐
g. Do they have adequate supervision?	☐ / ☐	☐ / ☐
h. Do they have daily reports?	☐ / ☐	☐ / ☐
i. Do they have daily inspections?	☐ / ☐	☐ / ☐
3. ID badges displayed by:	☐ / ☐	☐ / ☐
a. Employees? (Weston START's)	☒ / ☐	☐ / ☐
b. Contractors? (U.S. EPA OSC)	☒ / ☐	☐ / ☐
c. Visitors? (OEPA)	☒ / ☐	☐ / ☐
4. Log books for:	☐ / ☐	☐ / ☐
a. Employee sign-in? (logbook documentation)	☒ / ☐	☐ / ☐
b. Visitor sign-in?	☒ / ☐	☐ / ☐
c. Vehicle sign-in?	☐ / ☒	☐ / ☒
d. Incident reports?	☒ / ☐	☐ / ☐
e. Property removal?	☐ / ☒	☐ / ☒
f. Keys and access cards?	☐ / ☒	☐ / ☒
5. Electronics and hardware options (enter details below):	☐ / ☒	☐ / ☒
a. Access card readers	☐ / ☐	☐ / ☐
b. Adequate lighting	☐ / ☐	☐ / ☐
c. Closed circuit TV	☐ / ☐	☐ / ☐
d. Alarm system	☐ / ☐	☐ / ☐
e. Other (describe)	☐ / ☐	☐ / ☐
6. Procedures documented for:	☐ / ☒	☐ / ☒
a. Security training?	☐ / ☐	☐ / ☐
b. Security instructions?	☐ / ☐	☐ / ☐
c. Contingency plans?	☐ / ☐	☐ / ☐
d. Opening and closing protocols?	☐ / ☐	☐ / ☐
e. Other (describe)?	☐ / ☐	☐ / ☐
7. Law enforcement liaison documented for:	☐ / ☐	☐ / ☐
a. Municipal police?	☒ / ☐	☐ / ☐
b. County sheriff?	☐ / ☐	☐ / ☒
c. State police?	☐ / ☐	☐ / ☒
d. Federal agencies (specify)? (U.S.EPA OSC)	☒ / ☐	☐ / ☐

WESTON SITE SECURITY CHECKLIST (CONTINUED)

To be used for completing the Site Security Assessment Form required on all WESTON projects.
Contact Corporate Security for guidance on any items that are "NEEDED" and "NOT IN PLACE".

CHAIN OF COMMAND:	Name	24/7 Contact Information
a. Site Security Coordinator	Ryan Green	330-958-0037
b. Site Supervisor	Ryan Green U.S. EPA OSC Lori Muller	330-958-0037 440-954-0840
c. Project Manager	Ryan Green	330-958-0037
d. PC Manager	Sally Bartz	517-881-5264

REMARKS (use this section and supplemental pages to comment on details, exceptions or additional observations):

4. TASK BY TASK ASSESSMENT

4.1 TASK-BY-TASK RISK ASSESSMENT

4.1.1 Task 1 Description

TASK 1: Initial Walkthrough and Container Inventory

EQUIPMENT REQUIRED/USED

START ID	MultiRAE Plus
Hard Hat	Micro-R
Steel toe boots	IS Flashlight
Safety glasses	Log book
Latex booties	Digital camera

POTENTIAL HAZARDS/RISKS

Chemical

☒ Hazard Present Risk Level: ☐ H ☐ M ☒ L

What justifies risk level?

There are reportedly 8 drums and 20 5-gal buckets inside the former facility with unknown contents. At least one drum has a corrosive label, and one bucket has an oxidizer label. Two floor sumps reportedly contain paint or solvents. Three transformers with liquid contents are on site, and have <50 PCB labels.

Container inventory activities will include recording labeling and condition of containers on drum inventory log sheets, and collection of photographs. Drums and containers will not be disturbed or opened during inventory activities.

Physical

☒ Hazard Present Risk Level: ☐ H ☒ M ☐ L

What justifies risk level?

The former facility is abandoned and may contain scattered debris, rough terrain, and poor lighting. Photos of the facility from Ohio EPA indicate that vandalism of the building has occurred in some areas. Bare wires may be encountered; power to the facility is likely off but unconfirmed.

Biological

☒ Hazard Present Risk Level: ☐ H ☐ M ☐ L

What justifies risk level?

Overgrown vegetation is likely to be encountered around the site. Exposure to insects, small reptiles, rodents and other animals is possible.

RADIOLOGICAL

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L

What justifies risk level?

None known other than sunlight; initial entry will include screening all areas with a microR meter.

LEVELS OF PROTECTION/JUSTIFICATION

Modified Level D

SAFETY PROCEDURES REQUIRED AND/OR FIELD OPS UTILIZED

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures.

TASK-BY-TASK RISK ASSESSMENT (Continued)

4.1.2 Task 2 Description

TASK 2: Drum, Tank, Transformer, and Container Sampling

EQUIPMENT REQUIRED/USED

START ID	Nitrile inner gloves	Drum thieves	Log book
Hard Hat	Nitrile outer gloves	Bailers	
Steel toe boots	Latex booties	Nylon string	
SCBAs	MultiRAE Plus	Sample jars	
Poly Tyvek suits	IS Flashlight	Digital camera	

POTENTIAL HAZARDS/RISKS

Chemical

☒ Hazard Present Risk Level: ☐ H ☒ M ☐ L

What justifies risk level?

All 8 drums reportedly at the site drums will be opened and headspace readings will be collected using the MultiRAE Plus. Waste samples will be collected using drum thieves. Ohio EPA documented a corrosive label on one drum; all are considered to contain unknown contents. Some chemicals may be flammable, reactive, corrosive or toxic. Due to the unknown contents in some containers, Level B PPE including SCBA respirators will be used.

Three electrical transformers with liquid contents are labeled with >50 ppm PCB stickers, but U.S. EPA requested sampling of all 3 transformers for confirmation of PCB concentrations.

Two in-floor sumps reportedly contain paint and/or solvents. Waste samples will be collected using polyethylene bailers.

Twenty 5-gallon buckets were reported at the site by Ohio EPA, one bucket, which contains an oxidizer label, will be sampled.

Physical

☒ Hazard Present Risk Level: ☐ H ☒ M ☐ L

What justifies risk level?

The former facility is abandoned and may contain scattered debris, rough terrain, and poor lighting. Photos of the facility from Ohio EPA indicate that vandalism of the building has occurred in some areas. Bare wires may be encountered; power to the facility is likely off but unconfirmed.

Biological

☒ Hazard Present Risk Level: ☐ H ☐ M ☒ L

What justifies risk level?

Overgrown vegetation is likely to be encountered around the site. Exposure to insects, small reptiles, rodents and other animals is possible.

RADIOLOGICAL

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L

What justifies risk level?

None known except sunlight;

LEVELS OF PROTECTION/JUSTIFICATION

Level B PPE

SAFETY PROCEDURES REQUIRED AND/OR FIELD OPS UTILIZED

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures.

4.1 TASK-BY-TASK RISK ASSESSMENT (Continued)

4.1.3 Task 3 Description

TASK 3:

EQUIPMENT REQUIRED/USED

POTENTIAL HAZARDS/RISKS

Chemical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Physical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Biological

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

RADIOLOGICAL

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

LEVELS OF PROTECTION/JUSTIFICATION

SAFETY PROCEDURES REQUIRED AND/OR FIELD OPS UTILIZED

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures.

4.1 TASK-BY-TASK RISK ASSESSMENT (Continued)

4.1.4 Task 4 Description

TASK 4:

EQUIPMENT REQUIRED/USED

POTENTIAL HAZARDS/RISKS

Chemical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Physical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Biological

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

RADIOLOGICAL

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

LEVELS OF PROTECTION/JUSTIFICATION

SAFETY PROCEDURES REQUIRED AND/OR FIELD OPS UTILIZED

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures.

4.1 TASK-BY-TASK RISK ASSESSMENT (Continued)

4.1.5 Task 5 Description

TASK 5:

EQUIPMENT REQUIRED/USED

POTENTIAL HAZARDS/RISKS

Chemical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Physical

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

Biological

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

RADIOLOGICAL

☐ Hazard Present Risk Level: ☐ H ☐ M ☐ L
What justifies risk level?

LEVELS OF PROTECTION/JUSTIFICATION

SAFETY PROCEDURES REQUIRED AND/OR FIELD OPS UTILIZED

All work will be performed in accordance with the provisions of this HASP, OSHA guidelines, and WESTON Standard Operating Procedures.

4.2 PERSONNEL PROTECTION PLAN

Engineering Controls

Describe Engineering Controls used as part of Personnel Protection Plan:

Task(s)	
All	Doors to the buildings will be left open where possible to encourage fresh-air ventilation and improve lighting.

Administrative Controls

Describe Administrative Controls used as part of Personnel Protection Plan:

Task(s)	
All	Work in teams of 2 at all times.
2	Position support zone personnel upwind of the work area when unknown drums and containers are opened.
2	Contact SO prior to continuing sampling activities if uncommon, unexpected, or extremely hazardous labeling is found; e.g. shock-sensitive peroxides, picric acid, etc.

Personal Protective Equipment

Action Levels for Changing Levels of Protection. Refer to Site Air Monitoring Program—Action Levels. Define Action Levels for up or down grade for each task:

Task(s)	
All	Modified level D PPE for all tasks with action levels for VOC's and no opening of unknown drums
2	Level B PPE for opening and sampling drums and containers with unknown contents.

Description of Levels of Protection

Level D		Level D Modified	
Task(s):		**Task(s): 1**	
☐	Head	☒	Hardhat
☐	Eye and Face	☒	ANSI-approved safety glasses
☐	Hearing	☐	
☐	Arms and Legs Only	☐	
☐	Appropriate Work Uniform	☐	Whole Body
☐	Hand – Gloves	☐	Apron
☐	Foot - Safety Boots	☒	Hand - Gloves — Nitrile surgical if needed
☐	Fall Protection	☐	Gloves
☐	Flotation	☐	Gloves
☐	Other	☒	Foot - Safety Boots — Steel-toe boots
		☒	Over Boots — Latex booties

4.3 DESCRIPTION OF LEVELS OF PROTECTION

Level C		Level B ( ) or Level A ( )	
Task(s):		Task(s): 2	
☐ Head		☒ Head	Hardhat
☐ Eye and Face		☒ Eye and Face	SCBA
☐ Hearing		☐ Hearing	
☐ Arms and Legs Only		☐ Arms and Legs Only	
☐ Whole Body		☒ Whole Body	Poly-coated tyvek w/hood
☐ Apron		☐ Apron	
☐ Hand – Gloves		☒ Hand - Gloves	Nitrile surgical inner
☐ Gloves		☒ Gloves	Heavy, long-cuff nitrile outer
☐ Gloves		☐ Gloves	
☐ Foot - Safety Boots		☒ Foot - Safety Boots	ANSI approve steel-toe boots
☐ Outer Boots		☒ Outer Boots	Latex booties
☐ Boots (Other)		☐ Boots (Other)	
☐ Half Face		☐ SAR - Airline	
☐ Cart./Canister		☒ SCBA	MSA or Scott SCBA
☐ Full Face		☐ Comb. Airline/SCBA	
☐ Cart./Canister		☐ Cascade System	
☐ PAPR		☐ Compressor	
☐ Cart./Canister		☐ Fall Protection	
☐ Type C		☐ Flotation	
☐ Fall Protection		☐ Other	
☐ Flotation			
☐ Other			

5.2 SITE AIR MONITORING PROGRAM

Action Levels

These Action Levels, if not defined by regulation, are some percent (usually 50%) of the applicable PEL/TLV/REL. That number must also be adjusted to account for instrument response factors.

	Tasks	Action Level		Action
☐ **Explosive or Flammable Atmosphere**		Ambient Air Concentration	Confined Space Concentration	
		<10% LEL	0 to 1% LEL	Work may continue. Consider toxicity potential.
		10 to 25% LEL	1 to 10% LEL	Work may continue. Increase monitoring frequency.
		>25% LEL	>10% LEL	Work must stop. Ventilate area before returning.
☐ **Oxygen**		Ambient Air Concentration	Confined Space Concentration	
		<19.5% O_2	<19.5% O_2	Leave area. Re-enter only with self-contained breathing apparatus.
		19.5% to 25% O_2	19.5% to 23.5% O_2	Work may continue. Investigate changes from 21%.
		>25% O_2	>23.5% O_2	Work must stop. Ventilate area before returning.
☐ **Radiation**		< 3 times background		Continue work.
		3 times background to < 1 mR/hour		Radiation above background levels (normally 0.01-0.02 mR/hr) signifies possible radiation source(s) present. Continue investigation with caution. Perform thorough monitoring. Consult with a Health Physicist.
		> 1 mrem/hour		Potential radiation hazard. Evacuate site. Continue investigation only upon the advice of Health Physicist.
☒ **Organic Gases and Vapors**	1	VOC's by PID <5 units in breathing zone		Level D PPE
		VOC's by PID >5 units in breathing zone		Stop work; consult SO for upgrade.
☐ **Inorganic Gases, Vapors, and Particulates**				

6. HOSPITAL INFORMATION

6.1 CONTINGENCIES

6.1.1 Emergency Contacts and Phone Numbers

Agency	Contact	Phone Number
WorkCare WESTON Medical Director WorkCare WESTON Program Administrator	Dr. Peter Greaney Heather Lind	**From 6 am to 4:30 pm Pacific Time** call 800-455-6155 and dial 0 for the Operator or ext. 475 for Heather Lind to request the on-call clinician.
After-Business Hours Contact (In Case of Emergency Only)		**4:31 p.m. – 5:59 a.m. Pacific Time, all day Saturday, Sunday, and Holidays** call 800-455-6155 Dial 3 to reach the after-hours answering service. Request that the service connect you with the on-call clinician or the on-call clinician will return your call within 30 minutes.
WESTON Corporate EHS Director	Owen B. Douglass, Jr.	610.701.3065 (office) ; 610.506.5392 (cell)
WESTON Medical Programs Manager	Owen B. Douglass, Jr.	610.701.3065 (office); 610.506.5392 (cell)
WESTON Health & Safety Division Safety Manager	Ted Deecke	847-337-4147
WESTON Health & Safety Local Safety Officer	David Robinson	937-531-4405 (office); 937-572-3630 (mobile)
Fire Department	Andover Fire Dept.	(440) 293-6363, or 911
Police Department	Andover Police Dept.	(440) 293-4555, or 911
WESTON FSO Cell Phone	Ryan Green	330-958-0037
WESTON PM Cell Phone	Ryan Green	330-958-0037
Client Site Phone	OSC Lori Muller	440-954-0840 (cell)
Site Telephone	R. Green's Mobile	330-958-0037
Nearest Telephone	TBD	TBD
Poison Control		(800) 222-1222

Local Medical Emergency Facility(s) - LMF

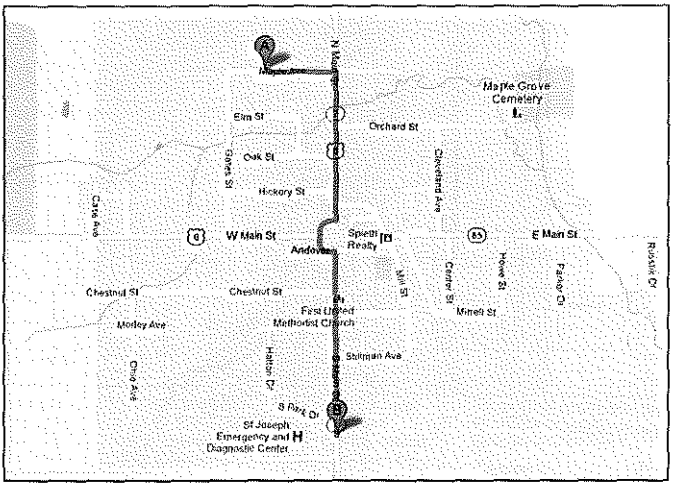
Name of Hospital: St. Joseph Emergency and Diagnostic Center		
Address: 476 South Main Street, Andover, OH		Phone No.: (440) 293-6111
Name of Contact: Level II Trauma Center		Phone No.: (440) 293-6111
Type of Service: ☐ Physical trauma only ☐ Chemical exposure only ☒ Physical trauma and chemical exposure ☒ Available 24 hours	**Route to Hospital:** **(See Attached)**	**Travel time from site:** 3 minutes **Distance to hospital:** 1 mile **Name/no. of 24-hr ambulance service:** 911

Secondary or Specialty Service Provider		
Name of Hospital: UPMC Horizon Hospital		
Address: 110 North Main Street, Greenville, PA		Phone No.: (724) 588-2100
Name of Contact: Level II Trauma Center		Phone No.: (724) 588-2100
Type of Service: ☐ Physical trauma only ☐ Chemical exposure only ☒ Physical trauma and chemical exposure ☒ Available 24 hours	**Route to Hospital (see attached):**	**Travel time from site:** 32 minutes **Distance to hospital:** 21.1 miles **Name/no. of 24-hr ambulance service:** /

See reporting an incident in Attachment F.

6.1.2 Hospital Map

This map is subject to Google's Terms of Service, and Google is the owner of rights therein. Portions of this image may have been removed for clarity.



Driving directions to St. Joseph Emergency and Diagnostic Center, 476 South Main Street, Andover, OH 44003 3D

Maple St
Andover, OH 44003

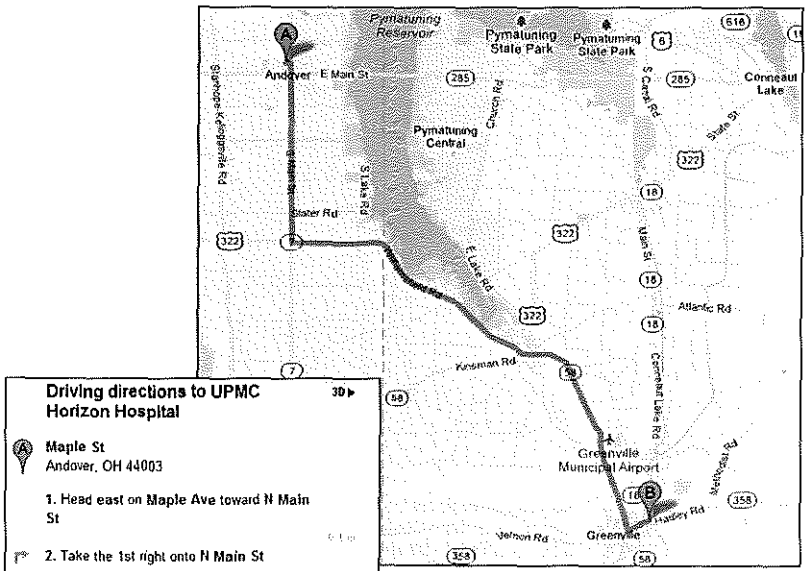
1. Head east on **Maple Ave** toward **N Main St**

2. Take the 1st right onto **N Main St**

3. At the traffic circle, continue straight onto **S Main St**
Destination will be on the right

St. Joseph Emergency and Diagnostic Center
476 South Main Street, Andover, OH 44003

This map is subject to Google's Terms of Service, and Google is the owner of rights therein. Portions of this image may have been removed for clarity.



6.1 CONTINGENCIES

6.1.3 Response Plans

<table>
<tr><td rowspan="3">Medical - General

Provide first aid, if trained; assess and determine need for further medical assistance.

Transport or arrange for transport after appropriate decontamination.

LMF = Local Medical Facility</td><td>First Aid Kit:
☒ Yes ☐ No

Blood Borne Pathogens Kit:
☒ Yes ☐ No</td><td>Type
Appropriate sized ANSI-approved Type III Kit, plus BBP</td><td>Location
In Vehicle</td><td>Special First-Aid Procedures: Cyanides on-site
☐ Yes ☒ No

If yes, contact LMF. Do they have antidote kit?
☐ Yes ☒ No</td></tr>
<tr><td>Eyewash required
☒ Yes ☐ No</td><td>Type
4x4 oz bottles</td><td>Location
With First Aid Kit</td><td>HF on-site
☐ Yes ☒ No

If yes, need neutralizing ointment for first-aid kit. Contact LMF.</td></tr>
<tr><td>Shower required
☐ Yes ☒ No</td><td>Type</td><td>Location</td><td></td></tr>
<tr><td colspan="2">Plan for Response to Spill/Release</td><td colspan="2">Plan for Response to Fire/Explosion</td><td>Fire Extinguishers</td></tr>
<tr><td>In the event of a spill or release, ensure safety, assess situation, and perform containment and control measures, as appropriate.</td><td>a. Cleanup per SDSs if small; or sound alarm, call for assistance, notify Emergency Coordinator
b. Evacuate to pre-determined safe place
c. Account for personnel
d. Determine if team can respond safely
e. Mobilize per Site Spill Response Plan</td><td>In the event of a fire or explosion, ensure personal safety, assess situation, and perform containment and control measures, as appropriate:</td><td>a. Sound alarm and call for assistance, notify Emergency Coordinator
b. Evacuate to predetermined safe place
c. Account for personnel
d. Use fire extinguisher only if safe and trained in its use
e. Stand by to inform emergency responders of materials and conditions</td><td>Type/Location
ABC/Vehicle
/
/
/
/
/
/</td></tr>
<tr><td>Description of Spill Response Gear</td><td>Location</td><td colspan="2">Description (Other Fire Response Equipment)</td><td>Location</td></tr>
<tr><td colspan="5">Plan to Respond to Security Problems
Notify OSC; call 911; avoid confrontation</td></tr>
</table>

7. DECONTAMINATION PLAN

7.1 GENERAL DECONTAMINATION PLAN

Personnel Decontamination

Consistent with the levels of protection required, step-by-step procedures for personnel decontamination for each level of protection are attached.

Levels of Protection Required for Decontamination Personnel

The levels of protection required for personnel assisting with decontamination will be:

☐ Level B ☐ Level C ☒ Level D

Modifications include:

Disposition of Decontamination Wastes

Provide a description of waste disposition including identification of storage area, hauler, and final disposal site, if applicable

Waste from the site assessment will be primarily discarded PPE and sampling supplies; waste will be collected in trash bags and staged onsite for disposal during a removal action, or transported offsite for disposal as solid waste, as appropriate.

Equipment Decontamination

A procedure for decontamination steps required for non-sampling equipment and heavy machinery follows:

Wipe down instruments with disposable wipes.

Sampling Equipment Decontamination

Sampling equipment will be decontaminated in accordance with the following procedure:

NA – only disposable sampling equipment will be utilized.

7.2 LEVEL D DECONTAMINATION PLAN

Check indicated functions or add steps, as necessary:

Function	Description of Process, Solution, and Container
☐ Segregated equipment drop	
☐ Boot cover and glove wash	
☐ Boot cover and glove rinse	
☐ Tape removal - outer glove and boot	
☒ Boot cover removal	Dispose in trash bag
☐ Outer glove removal	Dispose in trash bag
HOTLINE	
☐ Suit/safety boot wash	
☐ Suit/boot/glove rinse	
☐ Safety boot removal	
☐ Suit removal	
☐ Inner glove wash	
☐ Inner glove rinse	
☐ Inner glove removal	
☐ Inner clothing removal	
CONTAMINATION REDUCTION ZONE (CRZ)/SAFE ZONE BOUNDARY	
☐ Field wash	
☐ Redress	

Disposal Plan, End of Day:
Consolidate in trash bags for disposal as solid waste.

Disposal Plan, End of Week:
Consolidate in trash bags for disposal as solid waste.

Disposal Plan, End of Project:
Consolidate in trash bags for disposal as solid waste.

7.3 LEVEL C DECONTAMINATION PLAN

Check indicated functions or add steps, as necessary:

Function	Description of Process, Solution, and Container
☐ Segregated equipment drop	
☐ Boot cover and glove wash	
☐ Boot cover and glove rinse	
☐ Tape removal - outer glove and boot	
☐ Boot cover removal	
☐ Outer glove removal	
HOTLINE	
☐ Suit/safety boot wash	
☐ Suit/boot/glove rinse	
☐ Safety boot removal	
☐ Suit removal	
☐ Inner glove wash	
☐ Inner glove rinse	
☐ Facepiece removal	
☐ Inner glove removal	
☐ Inner clothing removal	
CONTAMINATION REDUCTION ZONE (CRZ)/SAFE ZONE BOUNDARY	
☐ Field wash	
☐ Redress	

Disposal Plan, End of Day:

Disposal Plan, End of Week:

Disposal Plan, End of Project:

7.4 LEVEL B (X) or Level A ( ) DECONTAMINATION PLAN

Check indicated functions or add steps, as necessary:

Function	Description of Process, Solution, and Container
☐ Segregated equipment drop	
☐ Boot cover and glove wash	
☐ Boot cover and glove rinse	
☒ Tape removal - outer glove and boot	Dipose of in trash bag
☒ Boot cover removal	Dipose of in trash bag
☒ Outer glove removal	Dipose of in trash bag
HOTLINE	
☐ Suit/safety boot wash	
☐ Suit/SCBA/boot/glove rinse	
☐ Safety boot removal	
☒ Remove SCBA backpack w/o disconnect	
☒ Splash suit removal	Dipose of in trash bag
☐ Inner glove wash	
☐ Inner glove rinse	
☒ SCBA disconnect and facepiece removal	
☒ Inner glove removal	Dipose of in trash bag
☐ Inner clothing removal	
CONTAMINATION REDUCTION ZONE (CRZ)/SAFE ZONE BOUNDARY	
☒ Field wash	Wash hands and face prior to eating or drinking
☐ Redress	

Disposal Plan, End of Day:
Consolidate in trash bags for disposal as solid waste

Disposal Plan, End of Week:
See above

Disposal Plan, End of Project:
See above

8. TRAINING AND BRIEFING TOPICS/SIGN OFF SHEET

8.1 TRAINING AND BRIEFING TOPICS

The following items will be covered at the site-specific training meeting, daily or periodically.

☐ Site characterization and analysis, Sec. 3.0, 29 CFR 1910.120 !	☐ Level A
☒ Physical hazards	☒ Level B
☒ Chemical hazards	☐ Level C
☒ Animal bites, stings, and poisonous plants	☒ Level D
☐ Etiologic (infectious) agents	☒ Monitoring, 29 CFR 1910.120 (h)
☐ Site control, 29 CFR 1910.120 d	☒ Decontamination, 29 CFR 1910.120 (k)
☐ Engineering controls and work practices, 29 CFR 1910.120 (g)	☐ Emergency response, 29 CFR 1910.120 (l)
☐ Heavy machinery	☐ Elements of an emergency response, 29 CFR 1910.120 (l)
☐ Forklift	☐ Procedures for handling site emergency incidents, 29 CFR 1910.120 (l)
☐ Backhoe	☐ Off-site emergency response, 29 CFR 1910.120 (l)
☒ Equipment	☒ Handling drums and containers, 29 CFR 1910.120 (j)
☒ Tools	☒ Opening drums and containers
☐ Ladder, 29 CFR 1910.25.26.26 + 29 CFR 1926.1053	☐ Electrical material handling equipment
☐ Overhead and underground utilities	☐ Radioactive waste
☐ Scaffolds	☐ Shock-sensitive waste
☒ Structural integrity	☐ Laboratory waste packs
☐ Unguarded openings - wall, floor, ceilings	☒ Sampling drums and containers
☒ Pressurized air cylinders	☐ Shipping and transport, 49 CFR 172.101, IATA
☒ Personal protective equipment, 29 CFR 1910.120 (g); 29 CFR 1910.134	☐ Tank and vault procedures
☒ Respiratory protection, 29 CFR 1910.120 (g); ANSI Z88.2	☒ Illumination, 29 CFR 1926.26
☐ Working over water FLD-19☐	☐ Sanitation, 29 CFR 1926.27
☐ Boating safety FLD-18	☒ Proper lifting techniques
☒ Heat Stress / Cold Stress	☐

8.2 HEALTH AND SAFETY PLAN APPROVAL/SIGNOFF FORM

Site Name: Plastech Site Assessment	WO#: 20405.012.001.1942.00
Address: 250 Maple Street Extension Andover, OH 44003	

I understand, agree to, and will conform with the information set forth in this Health and Safety Plan (and attachments) and discussed in the personnel health and safety briefing(s).

Name	Signature	Date
Ryan Green		8/29/2012
MIKE LINK		8/29/2012
Dustin Bates		8-29-2012
Lori Muller		8/29/12

ATTACHMENT A
CHEMICAL CONTAMINANTS DATA SHEETS

Insert sheets on following page.

NIOSH Pocket Guide to Chemical Hazards

Chlorodiphenyl (54% chlorine)			**CAS** 11097-69-1
$C_6H_3Cl_2C_6H_2Cl_3$ (approx)			**RTECS** TQ1360000
Synonyms & Trade Names Aroclor® 1254, PCB, Polychlorinated biphenyl			**DOT ID & Guide** 2315 171
Exposure Limits	NIOSH REL*: Ca TWA 0.001 mg/m^3 See Appendix A [*Note: The REL also applies to other PCBs.]		
	OSHA PEL: TWA 0.5 mg/m^3 [skin]		
IDLH Ca [5 mg/m^3] See: IDLH INDEX		**Conversion**	

Physical Description
Colorless to pale-yellow, viscous liquid or solid (below 50°F) with a mild, hydrocarbon odor.

MW: 326 (approx)	BP: 689-734°F	FRZ: 50°F	Sol: Insoluble
VP: 0.00006 mmHg	IP: ?		Sp.Gr(77°F): 1.38
Fl.P: NA	UEL: NA	LEL: NA	

Nonflammable Liquid, but exposure in a fire results in the formation of a black soot containing PCBs, polychlorinated dibenzofurans, and chlorinated dibenzo-p-dioxins.

Incompatibilities & Reactivities
Strong oxidizers

Measurement Methods
NIOSH 5503; OSHA PV2088
See: NMAM or OSHA Methods

Personal Protection & Sanitation (See protection)	**First Aid** (See procedures)
Skin: Prevent skin contact	Eye: Irrigate immediately
Eyes: Prevent eye contact	Skin: Soap wash immediately
Wash skin: When contaminated	Breathing: Respiratory support
Remove: When wet or contaminated	Swallow: Medical attention immediately
Change: Daily	
Provide: Eyewash, Quick drench	

Important additional information about respirator selection
Respirator Recommendations NIOSH
At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:
(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode
(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus
Escape:
(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter. Click here for information on selection of N, R, or P filters./Any appropriate escape-type, self-contained breathing apparatus

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms Irritation eyes, chloracne; liver damage; reproductive effects; [potential occupational carcinogen]

Target Organs Skin, eyes, liver, reproductive system

Cancer Site [in animals: tumors of the pituitary gland & liver, leukemia]

ATTACHMENT B
SAFETY DATA SHEETS

(ATTACH SDS)

Insert documents on following page:

Alconox

4-gas monitor calibration gas

100 ppm Isobutylene – PID calibration gas.

ATTACHMENT C

SAFETY PROCEDURES/FIELD OPERATING PROCEDURES (FLD OPS)

Insert documents on following page.

In lieuof attaching individual copies of FLDs, the site safety officer or his designee may elect to maintain an electronic copy of the WESTON Corporate Environmental Compliance, Health, and Safety Program Manual (including all FLDs) on site in an electronic format. The most recent version of the CEHS Program Manual and supporting documents are located at:
http://portal/services/EHS/SitePages/CEHSProgramElements.aspx

ATTACHMENT D
HAZARD COMMUNICATION PROGRAM

SITE-SPECIFIC HAZARD COMMUNICATION PROGRAM

Location-Specific Hazard Communication Program/Checklist

To ensure an understanding of and compliance with the Hazard Communication Standard, WESTON will use this checklist/document (or similar document) in conjunction with the WESTON Written Hazard Communication Program as a means of meeting site- or location-specific requirements.

While responsibility for activities within this document reference the WESTON Safety Officer (SO), it is the responsibility of all personnel to ensure compliance. Responsibilities under various conditions can be found within the WESTON Written Hazard Communication Program.

To ensure that information about the dangers of all hazardous chemicals used by WESTON is known by all affected employees, the following Hazard Communication Program has been established. All affected personnel will participate in the Hazard Communication Program. This written program, as well as WESTON's Corporate Hazard Communication Program, will be available for review by any employee, employee representative, representative of OSHA, NIOSH, or any affected employer/employee on a multi-employer site.

☐ Site or other location name/address: Plastech, 250 Maple Street Extension, Andover, OH 44003

☐ Site/Project/Location Manager: Ryan Green

☐ Site/Location Safety Officer: Ryan Green

☐ List of chemicals compiled, format: ☒ HASP ☐ Other: _____

☐ Location of MSDS files: HASP

☐ Training conducted by: Name: _____ Date: _____

☐ Indicate format of training documentation: ☒ Field Log: ☐ Other: _____

☐ Client briefing conducted regarding hazard communication: _____

☐ If multi-employer site (client, subcontractor, agency, etc.), indicate name of affected companies:

_____

☐ Other employer(s) notified of chemicals, labeling, and MSDS information: OSC Muller, USEPA

☐ Has WESTON been notified of other employer's or client's hazard communication program(s), as necessary? ☐ Yes ☐ No

List of Hazardous Chemicals

A list of known hazardous chemicals used by WESTON personnel must be prepared and attached to this document or placed in a centrally identified location with the SDSs. Further information on each chemical may be obtained by reviewing the appropriate SDS. The list will be arranged to enable cross-reference with the SDS file and the label on the container. The SO or Location Manager is responsible for ensuring the chemical listing remains up-to-date.

Container Labeling

The WESTON SO will verify that all containers received from the chemical manufacturer, importer, or distributor for use on-site are clearly labeled.

The SO is responsible for ensuring that labels are placed where required and for comparing SDSs and other information with label information to ensure correctness.

Safety Data Sheets (SDSs)

The SO is responsible for establishing and monitoring WESTON's SDS program for the location. The SO will ensure that procedures are developed to obtain the necessary SDSs and will review incoming SDSs for new or significant health and safety information. He/she will see that any new information is passed on to the affected employees. If an SDS is not received at the time of initial shipment, the SO will call the manufacturer and have an SDS delivered for that product in accordance with the requirements of WESTON's Written Hazard Communication Program.

A log for, and copies of, SDSs for all hazardous chemicals in use will be kept in the SDS folder at a location known to all site workers. SDSs will be readily available to all employees during each work shift. If an MSDS is not available, immediately contact the WESTON SO or the designated alternate. When a revised SDS is received, the SO will immediately replace the old SDS.

Employee Training and Information

The SO is responsible for the WESTON site-specific personnel training program. The SO will ensure that all program elements specified below are supplied to all affected employees.

At the time of initial assignment for employees to the work site, or whenever a new hazard is introduced into the work area, employees will attend a health and safety meeting or briefing that includes the information indicated below.

- Hazardous chemicals present at the work site.
- Physical and health risks of the hazardous chemicals.
- The signs and symptoms of overexposure.
- Procedures to follow if employees are overexposed to hazardous chemicals.
- Location of the SDS file and Written Hazard Communication Program.
- How to determine the presence or release of hazardous chemicals in the employee's work area.
- How to read labels and review SDSs to obtain hazard information.
- Steps WESTON has taken to reduce or prevent exposure to hazardous chemicals.
- How to reduce or prevent exposure to hazardous chemicals through the use of controls procedures, work practices, and personal protective equipment.
- Hazardous, non-routine tasks to be performed (if any).
- Chemicals within unlabeled piping (if any).

Hazardous Non-routine Tasks

When employees are required to perform hazardous non-routine tasks, the affected employee(s) will be given information by the SO about the hazardous chemicals he or she may use during such activity. This information will include specific chemical hazards, protective and safety measures the employee can use, and steps WESTON is using to reduce the hazards. These steps include, but are not limited to, ventilation, respirators, presence of another employee, and emergency procedures.

Chemicals in Unlabeled Pipes

Work activities may be performed by employees in areas where chemicals are transferred through unlabeled pipes. Prior to starting work in these areas, the employee will contact the SO, at which time information as to the chemical(s) in the pipes, potential hazards of the chemicals or the process involved, and the safety precautions that should be taken will be determined and presented.

Multi-Employer Work Sites

It is the responsibility of the SO to provide other employers with information about hazardous chemicals imported by WESTON to which their employees may be exposed, along with suggested safety precautions. It is also the responsibility of the SO and the Site Manager to obtain information about hazardous chemicals used by other employers to which WESTON employees may be exposed. WESTON's chemical listing will be made available to other employers, as requested. SDSs will be available for viewing, as necessary.

The location, format, and/or procedures for accessing SDS information must be relayed to affected employees.